

SHIVAM SHUKLA

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LinkedIn

Github

LeetCode

Professional Experience

WASSERSTOFF RJ INNOVATIONS PRIVATE LIMITED

June 2023 – Present

Software Developer

- Over 1 years of full-stack development experience with strong backend expertise using **Node.js, Express.js, Drizzle ORM, PostgreSQL, MongoDB, gRPC**, and **Redis**. Skilled in designing scalable RESTful APIs, implementing **JWT/OAuth2** authentication, secure payment integrations (Razorpay, Cashfree), and real-time communication using **WebSockets** and **Server-Sent Events (SSE)**
- Proficient in frontend technologies including **React.js, Next.js** with **Server-Side Rendering (SSR)**, State Management (**Redux, Recoil**) and **Tailwind CSS**, focused on building responsive, high-performance user interfaces that integrate seamlessly with backend services.
- Experienced in leading teams of up to **5+ developers**, driving full lifecycle development of complex applications involving microservices architecture, AI/LLM integrations, **CMS migrations**, and cloud deployment using **Docker, GitHub Actions, CI/CD** and **AWS** to deliver scalable, maintainable, and production-ready solutions.

Education

Institute of Engineering and Technology, Lucknow

Aug 2022 – Aug 2024

Master of Computer Applications (CGPA: 8.2 / 10)

Projects

Lit Search | LLM-Based Legal Assistant Platform | [Live](#)

- Architected a production-grade backend using **Node.js, Express.js, PostgreSQL**, and **Redis**, structured via a **microservices architecture** with **gRPC** for internal communication. Integrated **LangChain APIs** for AI-driven legal query processing. Achieved **99.9% uptime**, reduced response latency by **48%**, improved backend throughput by **2.3×**, and scaled to handle **1,500+ concurrent users**. Implemented secure **JWT-based authentication**, session handling, and **95%+ test coverage** through rigorous integration testing.
- Developed the frontend using **Next.js** (with **SSR**) and **Redux** for robust state management. Focused on real-time UI updates, optimized rendering under high load, and improved cross-device performance. Enhanced user engagement by **35% increase in session duration** and reduced bounce rate by **22%**.

Lit Sign | AI-Powered Legal Contract Platform | [Live](#)

- Architected a scalable backend with **Node.js, Express.js, PostgreSQL**, and **Drizzle ORM**, developing 40+ secure **REST APIs** for contract lifecycle management, document versioning, and user authentication. Implemented **WebSockets** for real-time contract status updates and signer presence tracking, supporting seamless collaboration. Integrated **Razorpay** and **Cashfree** to automate legal payments, ensuring 100% transaction reliability across 500+ monthly signings.
- Built a responsive and SEO-optimized frontend using **React.js, Redux**, and **Tailwind CSS**. Integrated **Tiptap editor** for collaborative AI-assisted contract creation with real-time syncing via **WebSockets**. Leveraged **React Router**, **Axios**, and **Framer Motion** for smooth navigation and animations, resulting in a **28% increase in user engagement** and **multi-device accessibility**.

Legal Wires | High-Traffic Legal Blog CMS | [Live](#)

- Developed and deployed a fully custom **Ghost CMS theme** using **HTML, CSS, and JavaScript**, optimized for **SEO**, fast loading, and mobile responsiveness. Enabled scalability to support **90K+ monthly users**, helping rank Legal Wires among the top 10 law blogs in India. Enhanced content structure and meta optimization for improved Google Discover visibility.
- Integrated a real-time AI-powered legal assistant using **REST APIs** and external LLM models to handle Indian law queries. Boosted user engagement by over **1,000+ active interactions/month**, reduced bounce rate by **24%**, and improved accessibility across devices. Enabled dynamic routing, live search, and in-chat contextual assistance to increase user retention.

Technical Skills

Programming Languages & Frameworks: JavaScript (ES6+), TypeScript, Node.js, Express.js, React.js, Next.js, HTML5, CSS3, Tailwind CSS, Redux, Recoil, Prisma, Mongoose, Drizzle ORM, GraphQL (basic), WebSockets .

Tools & Technologies: PostgreSQL, MongoDB, Redis, Git, GitHub, Postman, Docker , AWS (Route 53, EC2), CI/CD (GitHub Actions), Agile Methodologies (Scrum), Unit Testing (Jest basic), Jira.

Other Skills: RESTful APIs, Microservices Architecture, , JWT Authentication, gRPC, OAuth2 , Secure Payment Gateway Integration (Razorpay, Cashfree), Responsive Web Design, Cloud Deployment.